

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
19 May 2005 (19.05.2005)

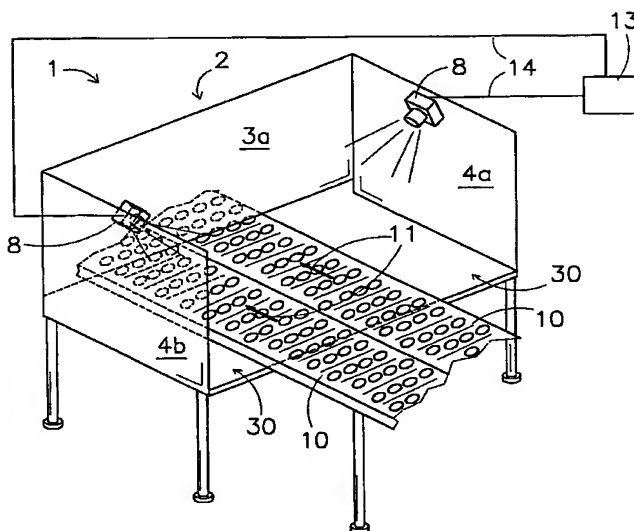
PCT

(10) International Publication Number  
**WO 2005/045406 A1**

- (51) International Patent Classification<sup>7</sup>: **G01N 21/86**, 21/88, 21/95, 33/02, 33/08
- (21) International Application Number: **PCT/NL2004/000655**
- (22) International Filing Date:  
21 September 2004 (21.09.2004)
- (25) Filing Language: Dutch
- (26) Publication Language: English
- (30) Priority Data:  
1024619 24 October 2003 (24.10.2003) NL
- (71) Applicant (for all designated States except US): **STAALKAT INTERNATIONAL B.V.** [NL/NL]; 4, Ambachtsstraat, NL-7122 MP Aalten (NL).
- (72) Inventor; and  
(75) Inventor/Applicant (for US only): **VAN SOEST, Robert** [NL/NL]; 41, Jan Steenlaan, NL-6717 TA Ede (NL).
- (74) Agent: **HOUBEN, C., W., H., F.**; Exter Polak & Charlois B.V., P.O.Box 3241, NL-2280 GE Rijswijk (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: INSPECTION DEVICE FOR OBJECTS WITH A SPHERICAL SURFACE



(57) Abstract: A device (1) for inspecting objects with a substantially spherical surface, such as for example eggs or fruit, comprises optical observation means (8) for observing the objects. The device has a supporting surface (10) for supporting the objects. There is a light source for illuminating the objects. The device also comprises a box (2) with reflective walls (3a, 4b and 4a shown) which is positioned above the supporting surface (11). The light source and the observation means (8) are accommodated in the box (2). A plurality of objects can be placed next to one another on the supporting surface (10) and can be illuminated equally well.



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*